CLAIMS

Having thus described the aforementioned invention, I claim:

1. A computer system for customizing and displaying weather information, comprising:

5   a server programmed to execute a process including:

acquiring raw weather data;

receiving and storing custom user data;

retrieving said stored custom user data;

generating a data set from said raw weather data and said custom
10   user data, said data set containing a weather image;

inserting a set of tags in said data set that instruct a client to download and execute a radar data display applet;

embedding information in said data set relating to said custom user data; and

15   sending said data set to said client; and

a client programmed to execute a process including:

sending custom user data to a server;

requesting a specific weather information image;

receiving a plurality of data sets from said server;

20   executing an applet for applying said custom user data to a weather image; and

rendering said weather image on a display unit.

2.   The process of Claim 1 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on said data set.

3.   The process of Claim 1 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

4.   The process of Claim 1 wherein said custom user data includes at least one custom location, said at least one custom location converted to a coordinate system suitable for plotting with said data set.

5.   The process of Claim 1 wherein said custom user data includes at least one custom location, said at least one custom location plotted on said weather image.

6.   The process of Claim 1 wherein said custom user data includes at least one custom color and at least one custom location, said at least one custom color applied to an attribute on said weather image, said at least one custom location plotted on said weather image.

7.   The process of Claim 1 wherein said data set is an HTML page.

8.   At least one computer programmed to execute a process for customizing and displaying weather information, the process comprising:

acquiring raw weather data;

receiving and storing custom user data, said custom user data including at least one custom location;

retrieving said stored custom user data;

generating a data set from said raw weather data and said custom user data, said data set for producing a weather image;

inserting a set of tags in said data set that instruct a client to download and execute a radar data display applet;

5 embedding information in said data set relating to said custom user data; and

sending said data set to said client.

9. The process of Claim 8 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on 10 said data set.

10. The process of Claim 8 wherein said at least one custom location is converted to a coordinate system suitable for plotting with said data set.

11. The process of Claim 8 wherein said data set is an HTML page.

12. At least one computer programmed to execute a process for 15 customizing and displaying weather information, the process comprising

sending custom user data to a server;

requesting a specific weather information image from said server;

receiving a data set from said server;

executing an applet for applying said custom user data to said data set for 20 displaying a weather image; and

rendering said weather image on a display unit.

13.   The process of Claim 12 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

14.   The process of Claim 12 wherein said custom user data includes at least one custom location, said at least one custom location plotted on said weather image.

15.   The process of Claim 12 wherein said custom user data includes at least one custom color and at least one custom location, said at least one custom color applied to an attribute on said weather image, said at least one custom location plotted on said weather image.

16.   Computer readable media tangibly embodying a program of instructions executable by a server to perform a method of storing and transmitting customized weather information, said method comprising:

acquiring raw weather data;

receiving and storing custom user data;

retrieving said stored custom user data;

generating a data set from said raw weather data and said custom user data, said data set for displaying a weather image;

inserting a set of tags in said data set that instruct a client to download and execute a radar data display applet;

embedding information in said data set relating to said custom user data; and

sending said data set to a client.

17.   The process of Claim 16 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

18.   The process of Claim 16 wherein said custom user data includes at least one custom location, said at least one custom location plotted on said weather image.

19.   The process of Claim 16 wherein said custom user data includes at least one custom location, said at least one custom location is converted to a coordinate system suitable for plotting on said weather image.

20.   The process of Claim 16 wherein said data set is an HTML page.

21.   Computer readable media tangibly embodying a program of instructions executable by a client to perform a method of customizing and displaying weather information, said method comprising:

sending custom user data to a server;

requesting a specific weather information image from said server;

receiving a plurality of data sets from said server;

executing an applet for applying said custom user data to said data set for displaying a weather image; and

rendering said weather image on a display unit.

22.   The process of Claim 21 wherein said custom user data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

23.   The process of Claim 21 wherein said custom user data includes at least one custom location, said at least one custom location plotted on said weather image.

24.   The process of Claim 21 wherein said custom user data includes at least one custom color and at least one custom location, said at least one custom color applied to an attribute on said weather image, said at least one custom location plotted on said weather image.

25.   A method in a client computer system for communicating weather information to a user, comprising:

providing for a prompt to the user for entering custom data relating to a weather image;

providing for storing said custom data; and

providing for presenting said weather image to the user, said weather image including said custom data.

26.   The method of Claim 25 wherein said custom data includes at least one custom location, said at least one custom location plotted on said weather image.

27.   The method of Claim 25 wherein said custom data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

28.   A server for storing and transmitting customized weather information, said server comprising:

a storage component for storing user data and meteorological data;

an input/output component for communicating with a client; and

a processing component executing a process including acquiring raw weather data, storing and retrieving said raw weather data, acquiring custom user data, storing and retrieving said custom user data, generating an data set from said raw weather data and said custom user data, and sending said data set to

5   said client.

29.   The server of Claim 28 wherein said custom data includes at least one custom location, said at least one custom location identifying a point on said weather image.

30.   The server of Claim 28 wherein said custom data includes at least one

10   custom color, said at least one custom color to be applied to an attribute on said weather image.

31.   A client for customizing and displaying weather information, said client comprising:

a storage component for user data and meteorological data;

15   an input/output component for communicating with a server; and

a processing component executing a process including sending custom user data to a server, receiving a plurality of data sets from said server, executing an applet for applying said custom user data to a weather image, and rendering said weather image on a display unit.

20   32.   The client of Claim 31 wherein said custom data includes at least one custom location, said at least one custom location plotted on said weather image.

33.   The client of Claim 31 wherein said custom data includes at least one custom color, said at least one custom color applied to an attribute on said weather image.

34. An computer system for customizing and displaying weather information, said computer system comprising:

a means for acquiring and storing meteorological data;

a means for acquiring and storing user data;

5   a means for generating customized data sets from said meteorological data and said user data; and

a means for displaying said customized data sets.

35. A server for storing and generating customized weather information, said server comprising:

10   a means for acquiring and storing meteorological data;

a means for acquiring and storing user data;

a means for generating customized data sets from said meteorological data and said user data; and

a means for sending said customized data sets to a client.

15   36. A client for customizing and displaying weather information, said client comprising:

a means for entering user data;

a means for requesting meteorological data;

a means for rendering customized data sets from said meteorological data
20   and said user data; and

a means for displaying said customized data sets.